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Claims

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We claim:

1. A composition comprising a tissue glue and, retained in the glue, in particulate form, a radiotherapeutic agent or agent convertible to a radiotherapeutic, whose therapeutic effect is mediated locally, on degradation of the glue.

- 2. The composition according to daim 1, which additionally comprises a material that accelerates degradation of the glue,
- 3. The composition according to claim 2, wherein the glue is proteinaceous and said material is proteolytic.
- 4. The composition according to claim 1, which additionally comprises a material that inhibits degradation of the glue.
- 5. The composition according to claim 1, wherein the agent is in the form of a chelate holding a radioactive atom.
 - 6. The composition according to claim 1, wherein the agent is a ferrite.
- The composition according to claim 1, which additionally comprises a radiation sensitizer capable of leaching out and augmenting the local radiotherapeutic effect.
- 8. The composition according to claim 1, which additionally comprises a growth factor or other substance that mitigates the anti-wound-healing effect of radiation.
- 9. The composition according to claim 1, wherein the agent comprises a zincsubstituted yttrium ferrite, or a ⁵⁶Fe-enriched ferrite. 2
- 10. The composition according to claim 1, wherein the agent comprises ¹⁰³Pd or 1 ⁹⁰Y. 2

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1 11. A method for the radiotherapy of a tumor, which comprises applying to the 2 tumor an effective amount of a composition as defined in claim 1. 1 The method of claim 11, wherein the radiotherapy of a tumor comprises 2 brachytherapy. 13. A composition comprising an antibody, a particulate radionuclide and a fibrinogen tissue glue. 14. The composition according to claim 13, wherein the particulate radionuclide 2 is a β -emitting ferrite. 1 15. The composition according to claim 13, wherein the particulate radionuclide 2 is coupled to the antibody. 1 16. The composition according to claim 15, wherein the antibody is a nerve 2 adhesion molecule. 17. A method for making a radiotherapeutic composition comprising an antibody, 1 a particulate radionuclide and a fibringen tissue glue which comprises: (a) preparing a particulate radionuclide; and (b) mixing the particulate radionuclide with the fibrinogen tissue glue and the antibody. 18. A method of using a/radiotherapeutic composition comprising an antibody, a particulate radionuclide and a fibrinogen tissue glue which comprises applying the 2 composition directly to tumor tissue. 3 A method of radiation synovectomy which comprises administering an 1 2 effective amount of a composition of claim 1 to a patient to be treated. 1 20. A method of radiotherapy in the treatment of arterio-venous malformations in

a blood vessel which comprises applying to the blood vessel a composition as defined in

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claim 1/.

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